

Database Deployment and Distribution of Information

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Database Deployment and Distribution of Information

TEAM

- Nicholas Garcia: Website Posting and Maintenance
- Isabell Archuleta: Data Collection & Coordination
- Mary Del Mar: Quality Assurance and Data Pedigree
- Joshua Narlesky: Prompt Gamma
- Larry Peppers: Database Development and Analysis

Database Deployment and Distribution of Information

ACKNOWLEDGEMENTS

- Beverly Bender
- Ed Wilson
- Janey Headstrom
- Dennis Padilla

Deployment and Distribution

TERMINOLOGY

- . ISP Integrated Surveillance Program
- . WDB Working Database
- . PCD Product Certification Database
- . LANL ISP Integrated Surveillance Program Database

Database Deployment and Distribution of Information

● Sites Coordination WDB - PCD

■ On Going Efforts

● SRS

● RFETS

● LANL

● LLNL

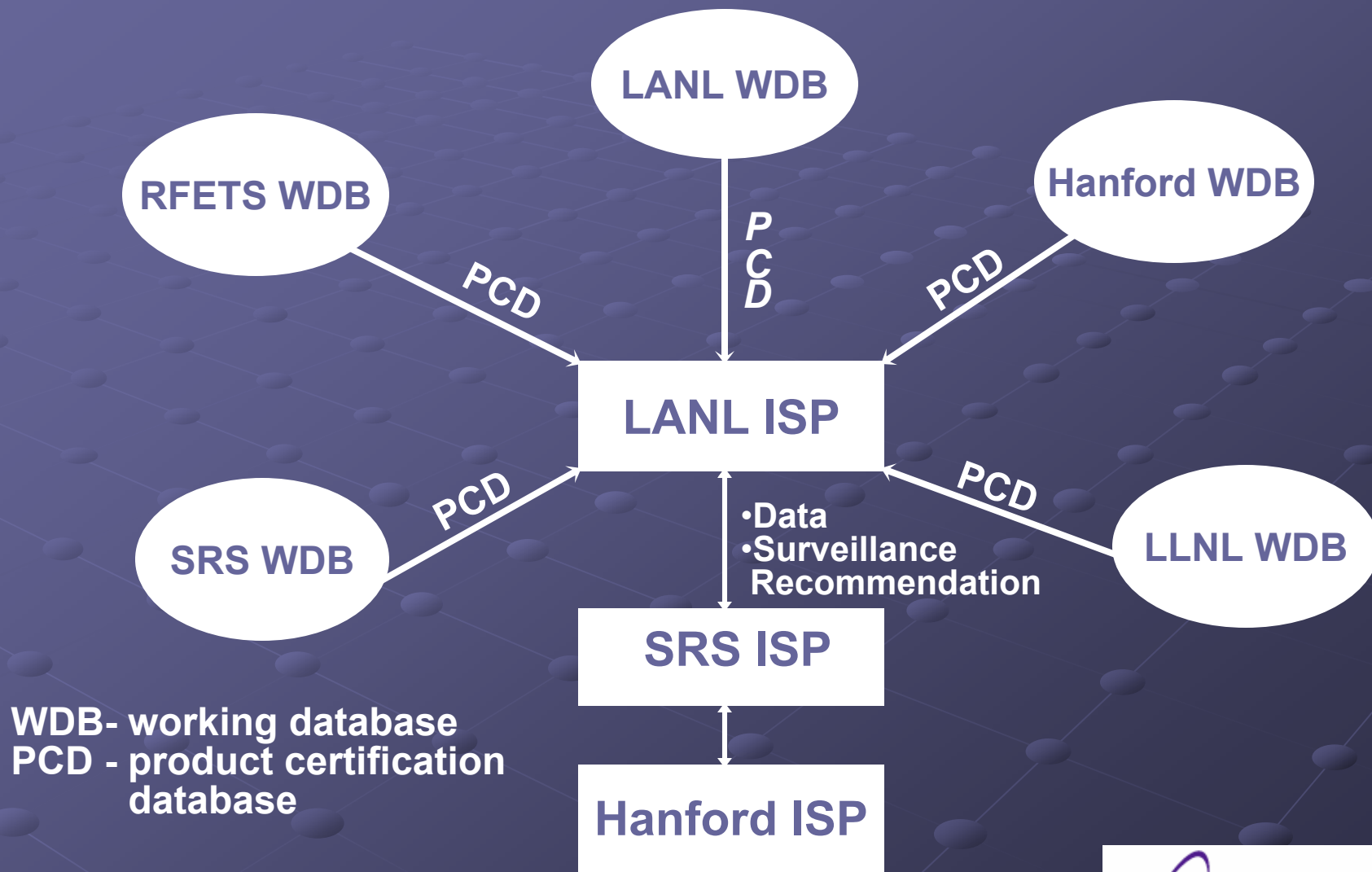
● HANFORD

■ Shifting Towards Focus on Surveillance

■ Distribution of Information

■ Site Facilitation

Deployment and Distribution



Database Deployment and Distribution of Information

- Database Implementation (WDB)
- Review Site Processes
 - Stabilization Processes
 - Gather Procedures
 - Evaluate Existing Data
 - Digital and Paper
 - Obtain Equipment
 - Scan Line and Computer
 - Here & Los Alamos Focus on (PCD and WDB)

Database Deployment and Distribution of Information

Review Site Processes

- Evaluate Existing Data
 - Digital and Paper
- Obtain Equipment
 - Scan Line and Computer
- Here & Los Alamos Focus on (PCD and WDB)
- Receive a Sample PCD at Los Alamos
- Endorse Receipt of PCD

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● Review Site Process

- Modify Database to Accommodate Site
- Collect Process Procedures for Historical Baseline
- Review Process Procedures Compliance with ISP Required Data.
- Recommend - Facilitate Procedure Revisions to Collect Missing ISP Required Data
- Evaluate Data Quality (pedigree)
- Recommend If Needed Changes to Enhance Data Quality

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● Hanford

- Have Equipment in Room and Have Loaded the First Item
- Divided Work Force
 - Ron Borisch (Management)
 - Rich Szempruch (Scientist/Procedures)
 - Grady Cox (Data Entry)
 - Lou Rodgers (Lead)

Database Deployment and Distribution of Information

- Still Searching on Some Items
 - ❶ Cal Gamma Data
 - ❷ Original Input Item Data (Rock Mass / Pre)
 - Data Feed
 - ❸ Some Radiography Needs to be Retrieved
 - ❹ Starting/Ending Weld Lot Certification
 - ❺ ZAP 26 Authorizing Coordination Procedure
 - ❻ Customizing Data Input Screens (Rod Oppendorf)

Microsoft Excel - SRS Accept Crit status1 Kathleen					
File Edit View Insert Format Tools Data Window Help					
Type a question for help					
A8					
	A	B	C	D	E
1	<u>Number</u>	<u>Action</u>	<u>Actionee</u>	<u>Due Date</u>	<u>Status</u>
2		Revise moisture control papers and resubmit to RL including moisture crosswalk and removal of "deferred packaging"	Venetz	Completed	SPE and RMC document modified for deferred packaging. Comments incorporated.
3		Szempruch Provide comments on Moisture papers	Szempruch	Completed	
4		Gregory and Cantwell check comment incorporation on moisture papers	Szempruch/SPE Cantwell,/RMC	Completed	
5		Obtain Suzanne C comments on RMC and SPE paper.	Venetz/Risenmay	Completed	SPE comments received 1/6/03, RMC no comments.
6		Draft transmittal letter to RL for Moisture papers	Szempruch	Completed	As part of transmittal update Table 1 of FH-0103610A R8 (only open items 16, 19 & 20). Request approval of all SRAC submitted to date.
7		Issue moisture paper to RL/issue transmittal letter	Risenmay	Completed	60 days later approval
8		Determine who to send "Traceable Items" Paper and Phase II methodology to, RL then RL send to WG or directly to WG	Venetz	Completed	Send to RL
9		Get agreement on shipping Data Package from SR Approver	Bartlett	Completed	
10		Identify current deficiencies	Borisch	Completed	Unclassified
11		Prepare database upgrade/let contract if necessary	Borisch	Completed	

Database Deployment and Distribution of Information

● Classified Database (ISP) Another Talk

- QA Any Data from Sites, Both Data and SQA
- Extract Summary Data and Working on Trending Analysis
- Prompt Gamma Data Stream
- Working on Both Web and ISP

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● ISP Continued

- Contains Information from 10 Shipments of Rocky Flats Data
- Item Count now at 624 Items
- Database Size at ~ 10 Gb of Data (Approximately 16 Mb per Record)

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● Trusted File Transfer System

- Went Live December 19
- Transferred Working Data to Unclassified System
- Transferred Prompt Gamma Files to Unclassified System now Exist on Web

Database Deployment and Distribution of Information

- MIS Items (WDB)
- Data Streams (Laura, Beverly, Simon, Historical)
 - Collect Data for all Items into Common Location
 - Map Processing History for each MIS Item
 - Establish Data Pedigree for Historical Data
 - Collect Procedural Methods used to Collect Historical and Currently Generated Data

Database Deployment and Distribution of Information

- Data Streams (Laura, Beverly, Simon, Historical)
 - Prepare Data for Distribution on the Website (including scanning of data records)
 - Track all Sample Activity for Ongoing Evaluations of MIS items
 - Collect Data from Large and Small Can Surveillance Studies
 - Consolidating 3013 Monitoring and Surveillance Tracking Form
 - Bev Benders MIS Input
 - Laura's Small Can Input

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● Database Revisions

- Accommodate Pretreatment Processes (Hanford)
 - Master Batches (furnace information, boat ID's)
 - Creation of New Item Numbers Prior to Stabilization Run
- Allow for Multiple Convenience Cans in an Inner Can Livermore
- Allow for Multiple Inner Cans in a 3013 Can
 - Includes the Top and Bottom Designation (SR)
- Allow for Multiple (or partial) Stabilization Batches in a Convenience Can

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● Database Revisions

- Collects Data for TGA/IR moisture measurement
 - 10 has Data for Moisture Measurement
 - Collecting Raw Data Files for Both TGA and IR
 - TGA Files are Huge ~ 100mb / item
 - Sampling Frequency has Direct Correlation
- Collects data for Prompt Gamma
 - Launches Josh Narlesky's program in-line allows you to view, edit, review calculation

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- Collects Data for any “Other” Data Source Pertinent to the Container
 - Ex. RFETS Cal Gamma supported by 2 other files Cal Gamma file, and Calculation
 - Collecting Raw Data Files for Both TGA and IR
- Working with Brenda Joyce and Simon to create Front-End to WDB
- Accomplished Data Entry Screens
- Collecting Input Data and Surveillance Data from Aries folks
- Electronic Data Feed from Aries into WDB

Database Deployment and Distribution of Information

● Savannah River

- Identified Key Personnel
 - Ryan McNew (Coordinator)
 - Karl Lown (Lead Technical Person)
 - Posted Opening for Data Entry Clerk
- Chip Has Approved ISP Implementation Plan
- ID'd Location for Computer and Scanner
- Aggressive Schedule 3/24/03 Load First Item

Database Deployment and Distribution of Information

<u>Site</u>	<u>Deployment Status</u>	<u>Point of Contact</u>
● Rocky Flats	<ul style="list-style-type: none">▪ WDB: In Production▪ PCD: Operational	<ul style="list-style-type: none">• Dave Prochnow• Luis Estrada
● SRS	<ul style="list-style-type: none">▪ WDB: Pre Production▪ PCD: Operational	<ul style="list-style-type: none">• Ryan McNew• Eric Smith• Dave Ecklund
● LANL	<ul style="list-style-type: none">▪ WDB: Pre Production▪ PCD: Pre Production	<ul style="list-style-type: none">• Simon Balkey• Doug Wedman• Larry Peppers
● LLNL	<ul style="list-style-type: none">▪ WDB: Pre Production▪ PCD: Operational	<ul style="list-style-type: none">• Dave Riley• Admin Asst
● Hanford	<ul style="list-style-type: none">▪ WDB: Sample Provided▪ PCD: Pre Training	<ul style="list-style-type: none">• Lou Rodgers• Grady Cox• Lori Nearing

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● Any questions?